



**Part Number :** [428788410](#)

**Product Description :** Modular Jack, Vertical, Low Profile, 8/8

**Series Number :** 42878

**Status :** Active

**Product Category :** Modular Jacks and Plugs



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## Documents & Resources

### Drawings

[428788410\\_sd.pdf](#)

[PK-42878-492-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### Specifications

[PS-42878-001.pdf](#)

[TS-42878-001-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

[Compliance Statements](#)

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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**Part Details**

**General**

Status	Active
Category	Modular Jacks and Plugs
Series	42878
Description	Modular Jack, Vertical, Low Profile, 8/8
Comments	Flush Mount, Flangeless, 2 PCB Thick
Component Type	PCB Jack
Magnetic	No
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	Modular Jack 8/8,RJ45
UPC	800754383233

**Agency**

CSA	LR19980
UL	E107635

**Electrical**

Current - Maximum per Contact	1.5A
Shielded	No

Voltage - Maximum	150V AC (RMS)
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## Physical

Boot Color	N/A
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Inverted / Top Latch	N/A
Jack Height	12.70mm
Lightpipes/LEDs	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	2.255/g
Orientation	Vertical (Top Entry)
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Pitch - Mating Interface	1.02mm
Pitch - Termination Interface	1.27mm
Plating min - Mating	1.270µm
Plating min - Termination	2.540µm
Port Configuration	1x1
Positions / Loaded Contacts	8/8
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Through Hole
Waterproof / Dustproof	No
Wire/Cable Type	N/A

## Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1

Max-Temp	235
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**Mates With / Use With**

**Mates with Part(s)**

Description	Part Number
Mates With	FCC 68 Plugs

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